

Title (en)

WEARABLE SYSTEM FOR PREDICTING ABOUT-TO-EAT MOMENTS

Title (de)

WEARABLE-SYSTEM ZUR VORHERSAGE VON MOMENTEN VOR DEM VERZEHR

Title (fr)

SYSTÈME PORTABLE POUR LA PRÉDICTION DES MOMENTS DE PROXIMITÉ D'UN REPAS

Publication

EP 3391256 A1 20181024 (EN)

Application

EP 16816523 A 20161202

Priority

- US 201514973645 A 20151217
- US 2016064514 W 20161202

Abstract (en)

[origin: WO2017105867A1] A system is provided that predicts eating events for a user. The system includes a set of sensors each of which is configured to continuously measure a different physiological variable associated with the user and output a time-stamped data stream that includes the current value of this variable. A set of features is periodically extracted from the data stream output from each of the sensors, where these features have been determined to be specifically indicative of an about-to-eat moment. This set of features is then input into an about-to-eat moment classifier that has been trained to predict when the user is in an about-to-eat moment based on this set of features. Whenever an output of the classifier indicates that the user is currently in an about-to-eat moment, the user is notified with a just-in-time eating intervention.

IPC 8 full level

G06F 19/00 (2018.01)

CPC (source: EP US)

A61B 5/02055 (2013.01 - US); **A61B 5/486** (2013.01 - US); **A61B 5/6801** (2013.01 - US); **A61B 5/6898** (2013.01 - US); **A61B 5/7264** (2013.01 - US); **A61B 5/7275** (2013.01 - US); **A61B 5/7405** (2013.01 - US); **A61B 5/742** (2013.01 - US); **A61B 5/7455** (2013.01 - US); **A61B 5/746** (2013.01 - US); **A63B 24/0062** (2013.01 - US); **G09B 19/0092** (2013.01 - US); **G16H 20/60** (2017.12 - EP US); **G16H 40/67** (2017.12 - EP US); **G16H 50/70** (2017.12 - EP US); **A63B 2220/12** (2013.01 - US); **A63B 2220/17** (2013.01 - US); **A63B 2220/30** (2013.01 - US); **A63B 2220/34** (2013.01 - US); **A63B 2220/40** (2013.01 - US); **A63B 2230/06** (2013.01 - US); **A63B 2230/50** (2013.01 - US); **A63B 2230/65** (2013.01 - US); **A63B 2230/75** (2013.01 - US); **G16H 50/20** (2017.12 - EP US)

Citation (search report)

See references of WO 2017105867A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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